

2. (Currently Amended) The bicycle according to claim 1, ~~characterized in that the~~wherein frame comprises a first channel (10) in a form complementary to a form of the handlebars, and articulation means of the handlebars so that the handlebars are housed in the channel at the time of folding.

3. (Currently Amended) The bicycle according to ~~one of claims~~claim 1 to 2, ~~characterized in that~~wherein the handlebars comprise a guide rod, a first handle (12) and a second handle (12.1), the first and second handles connected to the guide rod so as to fold along the guide rod at the time of folding the bicycle.

4. (Currently Amended) The bicycle according to ~~one of claims~~claim 1 to 3, ~~characterized in that~~wherein the saddle comprises a second channel (16) in a form complementary to the form of the handlebars.

5. (Currently Amended) The bicycle according to claim 4, ~~characterized in that~~wherein the saddle is formed by a seat (15) and by a seat post (9), the second channel being formed along the seat and along the seat post.

6. (Currently Amended) The bicycle according to ~~one of claims~~claim 1 to 5, ~~characterized in that~~wherein:

- the front wheel of the bicycle is connected to the handlebars by a monofork (24) that is situated on a first side of the plane formed by the bicycle,
- the rear wheel is connected to a crank gear wheel (8) that is situated on a second side of the plane formed by the bicycle.

7. (Currently Amended) The bicycle according to ~~one of claims~~claim 1 to 6, ~~characterized in that~~wherein the frame comprises at least one third channel (11) in a form complementary to a form of part of one of the two wheels.

8. (Currently Amended) A method of folding a bicycle (1),  
~~characterized in that~~wherein the method comprises the following steps

- handlebars (7) are folded in a first channel (10) formed in a frame (2),  
by rotation of the handlebars around a first folding axis (17),

- a saddle (9) is folded against the frame to overlap the handlebars by a  
second channel (16) formed by the saddle, by rotation of the saddle around a second  
folding axis (18),

- a front wheel (4) is displaced by translation perpendicular to a plane  
formed by the bicycle, then the front wheel is folded in the direction of a rear wheel  
(6) by rotation of the front wheel around a third folding axis (19), and

- the rear wheel is folded in the direction of the front wheel by rotation  
of the rear wheel around a fourth folding axis (20).

9. (Currently Amended) The folding method according to claim 8,  
~~characterized in that~~wherein the rear wheel is folded in a first third channel (11)  
formed in the frame, and the front wheel is folded in a second third channel (34)  
formed in the frame.

10. (Currently Amended) The folding method according to ~~one of~~  
~~claims~~claim 8 to 9, ~~characterized in that~~wherein the rear wheel and front wheel are  
folded in the same third channel formed in the frame.

11. (Currently Amended) The folding method according to ~~one of~~  
~~claims~~claim 8 to 9, ~~characterized in that~~wherein the rear wheel and front wheel are  
folded respectively in a first third channel and in a second third channel formed in the  
frame.

12. (Currently Amended) The folding method according to ~~one of~~  
~~claims~~claim 8 to 11, ~~characterized in that~~wherein the bicycle is raised vertically with  
relation to a plane of normal displacement of the bicycle before folding the front  
wheel and the rear wheel.

13. (Currently Amended) The folding method according to ~~one of~~  
~~claims~~claim 8 to 12, ~~characterized in that~~wherein a mud guard (29) is folded by  
rotation of this mud guard around a fifth folding axis (24) situated on the saddle.

14. (New) A foldable bicycle comprising:

- a frame having at least one recessed channel;
- a handlebar stem supported by the frame and comprising a plurality of handlebar handles;
- a front wheel connector supported by the frame and carrying a front rotatable wheel;
- a rear wheel connector attached to the frame and carrying a rear rotatable wheel;
- a seat post operably attached to the frame and carrying a seat;
- a fender operably attaching the seat post to the frame;
- at least a plurality of pairs of bicycle fold axes with a first fold axis permitting the handlebar stem to be pivotable relative the frame toward the frame, a second fold axis permitting the seat post to be pivotable relative the frame toward the one of the recessed frame channels, a third fold axis permitting the fender to be pivotable relative the frame, a fourth fold axis permitting one of the front and rear wheel connectors to be pivotable relative the frame toward the at least one of recessed frame channel, and a fifth fold axis permitting the other one of the front and rear wheel connectors to be pivotable relative the frame towards the frame;

wherein when the bicycle is in a folded position, a portion of one of the front and rear wheels is seated in the at least one of the recessed frame channels and the other one of the front and rear wheels is disposed adjacent the other one of the front and rear wheels such that the axis of rotation of the front and rear wheels is substantially coincident.

15. (New) The bicycle according to claim 14, wherein the at least one recessed frame channel comprises a plurality of recessed frame channels with the portion of one of the front and rear wheels being seated in one of the recessed frame channels when the bicycle is folded and at least a portion of the handlebar stem is

seated in the other one of the recessed frame channels when the bicycle is disposed in the folded position.

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16. (New) The bicycle according to claim 15, wherein the seat post is elongate and has a longitudinally extending recessed channel formed therein in which an opposite portion of the handlebar stem seats when the bicycle is disposed in the folded position.

17. (New) The bicycle according to claim 15, wherein each one of the handlebar handles is foldable against the handlebar stem.

18. (New) The bicycle according to claim 15, wherein the frame includes a third one of the recessed frame channels in which a portion of the other one of the front and rear wheels seats when the bicycle is disposed in a folded position.

19. (New) The bicycle according to claim 14, wherein the frame and wheels are disposed in a common plane when the bicycle is disposed in an unfolded operating position with the front wheel connector and rear wheel connector disposed alongside to one side of the bicycle operating position plane.

20. (New) The bicycle according to claim 18, wherein the front wheel connector comprises a fork disposed along one side of the bicycle operating position plane and the rear wheel connector comprises a crank gear wheel disposed along the other side of the bicycle operating position plane.

21. (New) The bicycle according to claim 19, wherein the fork comprises a monofork that is connected to the handlebar stem.